0500

OIPE

RAW SEQUENCE LISTING   DATE: 07/07/2000
PATENT APPLICATION: US/09/602,775   TIME: 17:12:11

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\07072000\I602775.raw

```
         4 <110> APPLICANT: Cashman, Neil
         5        Paramithiotis, Eustache
         6        Slon-Usakiewiscz, Jacek
         7        Haghighat, Ashkan
         8        Pinard, Marc
        11 <120> TITLE OF INVENTION: PRION PROTEIN PEPTIDES AND USES THEREOF
        14 <130> FILE REFERENCE: 50111/002002
C-->    16 <140> CURRENT APPLICATION NUMBER: US/09/602,775
C-->    16 <141> CURRENT FILING DATE: 2000-06-23
        16 <150> PRIOR APPLICATION NUMBER: 60/140,634
        17 <151> PRIOR FILING DATE: 1999-06-23
        19 <160> NUMBER OF SEQ ID NOS: 34
        21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
        23 <210> SEQ ID NO: 1
        24 <211> LENGTH: 4
        25 <212> TYPE: PRT
        26 <213> ORGANISM: Artificial Sequence
        28 <220> FEATURE:
        29 <223> OTHER INFORMATION: Synthetic peptide
        32 <221> NAME/KEY: VARIANT
        33 <222> LOCATION: (1)...(4)
        34 <223> OTHER INFORMATION: Xaa = Any Amino Acid
        36 <400> SEQUENCE: 1
W-->    37 Xaa Tyr Tyr Xaa
        38  1
        40 <210> SEQ ID NO: 2
        41 <211> LENGTH: 7
        42 <212> TYPE: PRT
        43 <213> ORGANISM: Artificial Sequence
        45 <220> FEATURE:
        46 <223> OTHER INFORMATION: Synthetic peptide
        49 <221> NAME/KEY: VARIANT
        50 <222> LOCATION: (1)...(7)
        51 <223> OTHER INFORMATION: Xaa = Any Amino Acid
        53 <400> SEQUENCE: 2
W-->    54 Xaa Tyr Tyr Xaa Tyr Tyr Xaa
        55  1                   5
        57 <210> SEQ ID NO: 3
        58 <211> LENGTH: 10
        59 <212> TYPE: PRT
        60 <213> ORGANISM: Artificial Sequence
        62 <220> FEATURE:
        63 <223> OTHER INFORMATION: Synthetic peptide
        66 <221> NAME/KEY: VARIANT
        67 <222> LOCATION: (1)...(10)
        68 <223> OTHER INFORMATION: Xaa = Any Amino Acid
        70 <400> SEQUENCE: 3
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                    RAW SEQUENCE LISTING            DATE: 07/07/2000
                    PATENT APPLICATION:  US/09/602,775   TIME: 17:12:11

                    Input Set : A:\seqlist.txt
                    Output Set: N:\CRF3\07072000\I602775.raw

W--> 71 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     72  1           5                   10
     74 <210> SEQ ID NO: 4
     75 <211> LENGTH: 13
     76 <212> TYPE: PRT
     77 <213> ORGANISM: Artificial Sequence
     79 <220> FEATURE:
     80 <223> OTHER INFORMATION: Synthetic peptide
     83 <221> NAME/KEY: VARIANT
     84 <222> LOCATION: (1)...(13)
     85 <223> OTHER INFORMATION: Xaa = Any Amino Acid
     87 <400> SEQUENCE: 4
W--> 88 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     89  1           5                   10
     91 <210> SEQ ID NO: 5
     92 <211> LENGTH: 16
     93 <212> TYPE: PRT
     94 <213> ORGANISM: Artificial Sequence
     96 <220> FEATURE:
     97 <223> OTHER INFORMATION: Synthetic peptide
    100 <221> NAME/KEY: VARIANT
    101 <222> LOCATION: (1)...(16)
    102 <223> OTHER INFORMATION: Xaa = Any Amino Acid
    104 <400> SEQUENCE: 5
W--> 105 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
    106  1           5                   10                  15
    108 <210> SEQ ID NO: 6
    109 <211> LENGTH: 19
    110 <212> TYPE: PRT
    111 <213> ORGANISM: Artificial Sequence
    113 <220> FEATURE:
    114 <223> OTHER INFORMATION: Synthetic peptide
    117 <221> NAME/KEY: VARIANT
    118 <222> LOCATION: (1)...(19)
    119 <223> OTHER INFORMATION: Xaa = Any Amino Acid
    121 <400> SEQUENCE: 6
W--> 122 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
    123  1           5                   10                  15
W--> 124 Tyr Tyr Xaa
    127 <210> SEQ ID NO: 7
    128 <211> LENGTH: 22
    129 <212> TYPE: PRT
    130 <213> ORGANISM: Artificial Sequence
    132 <220> FEATURE:
    133 <223> OTHER INFORMATION: Synthetic peptide
    136 <221> NAME/KEY: VARIANT
    137 <222> LOCATION: (1)...(22)
    138 <223> OTHER INFORMATION: Xaa = Any Amino Acid
    140 <400> SEQUENCE: 7
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/602,775

DATE: 07/07/2000
TIME: 17:12:11

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\07072000\I602775.raw

```
W--> 141 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     142 1                 5                 10                15
W--> 143 Tyr Tyr Xaa Tyr Tyr Xaa
     144               20
     146 <210> SEQ ID NO: 8
     147 <211> LENGTH: 25
     148 <212> TYPE: PRT
     149 <213> ORGANISM: Artificial Sequence
     151 <220> FEATURE:
     152 <223> OTHER INFORMATION: Synthetic peptide
     155 <221> NAME/KEY: VARIANT
     156 <222> LOCATION: (1)...(25)
     157 <223> OTHER INFORMATION: Xaa = Any Amino Acid
     159 <400> SEQUENCE: 8
W--> 160 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     161 1                 5                 10                15
W--> 162 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     163               20                25
     165 <210> SEQ ID NO: 9
     166 <211> LENGTH: 28
     167 <212> TYPE: PRT
     168 <213> ORGANISM: Artificial Sequence
     170 <220> FEATURE:
     171 <223> OTHER INFORMATION: Synthetic peptide
     174 <221> NAME/KEY: VARIANT
     175 <222> LOCATION: (1)...(28)
     176 <223> OTHER INFORMATION: Xaa = Any Amino Acid
     178 <400> SEQUENCE: 9
W--> 179 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     180 1                 5                 10                15
W--> 181 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     182               20                25
     184 <210> SEQ ID NO: 10
     185 <211> LENGTH: 31
     186 <212> TYPE: PRT
     187 <213> ORGANISM: Artificial Sequence
     189 <220> FEATURE:
     190 <223> OTHER INFORMATION: Synthetic peptide
     193 <221> NAME/KEY: VARIANT
     194 <222> LOCATION: (1)...(31)
     195 <223> OTHER INFORMATION: Xaa = Any Amino Acid
     197 <400> SEQUENCE: 10
W--> 198 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     199 1                 5                 10                15
W--> 200 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
     201               20                25                30
     203 <210> SEQ ID NO: 11
     204 <211> LENGTH: 34
     205 <212> TYPE: PRT
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RAW SEQUENCE LISTING   DATE: 07/07/2000
PATENT APPLICATION: US/09/602,775   TIME: 17:12:11

    Input Set : A:\seqlist.txt
    Output Set: N:\CRF3\07072000\I602775.raw

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      206 <213> ORGANISM: Artificial Sequence
      208 <220> FEATURE:
      209 <223> OTHER INFORMATION: Synthetic peptide
      212 <221> NAME/KEY: VARIANT
      213 <222> LOCATION: (1)...(34)
      214 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      216 <400> SEQUENCE: 11
W--> 217 Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa
      218  1               5                  10               15
W--> 219 Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr Tyr Xaa Tyr
      220          20                  25               30
W--> 221 Tyr Xaa
      224 <210> SEQ ID NO: 12
      225 <211> LENGTH: 4
      226 <212> TYPE: PRT
      227 <213> ORGANISM: Artificial Sequence
      229 <220> FEATURE:
      230 <223> OTHER INFORMATION: Synthetic peptide
      233 <221> NAME/KEY: VARIANT
      234 <222> LOCATION: (1)...(4)
      235 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      237 <400> SEQUENCE: 12
W--> 238 Xaa Tyr Tyr Arg
      239  1
      241 <210> SEQ ID NO: 13
      242 <211> LENGTH: 4
      243 <212> TYPE: PRT
      244 <213> ORGANISM: Artificial Sequence
      246 <220> FEATURE:
      247 <223> OTHER INFORMATION: Synthetic peptide
      250 <221> NAME/KEY: VARIANT
      251 <222> LOCATION: (1)...(4)
      252 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      254 <400> SEQUENCE: 13
W--> 255 Xaa Tyr Tyr Gln
      256  1
      258 <210> SEQ ID NO: 14
      259 <211> LENGTH: 4
      260 <212> TYPE: PRT
      261 <213> ORGANISM: Artificial Sequence
      263 <220> FEATURE:
      264 <223> OTHER INFORMATION: Synthetic peptide
      267 <221> NAME/KEY: VARIANT
      268 <222> LOCATION: (1)...(4)
      269 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      271 <400> SEQUENCE: 14
W--> 272 Xaa Tyr Tyr Asp
      273  1
      275 <210> SEQ ID NO: 15
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RAW SEQUENCE LISTING                      DATE: 07/07/2000
PATENT APPLICATION:   US/09/602,775       TIME: 17:12:11

          Input Set : A:\seqlist.txt
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       276 <211> LENGTH: 13
       277 <212> TYPE: PRT
       278 <213> ORGANISM: Artificial Sequence
       280 <220> FEATURE:
       281 <223> OTHER INFORMATION: Synthetic peptide
       284 <221> NAME/KEY: VARIANT
       285 <222> LOCATION: (1)...(13)
       286 <223> OTHER INFORMATION: Xaa = Any Amino Acid
       288 <400> SEQUENCE: 15
  W--> 289 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa
       290 1                   5                   10
       292 <210> SEQ ID NO: 16
       293 <211> LENGTH: 16
       294 <212> TYPE: PRT
       295 <213> ORGANISM: Artificial Sequence
       297 <220> FEATURE:
       298 <223> OTHER INFORMATION: Synthetic peptide
       301 <221> NAME/KEY: VARIANT
       302 <222> LOCATION: (1)...(16)
       303 <223> OTHER INFORMATION: Xaa = Any Amino Acid
       305 <400> SEQUENCE: 16
  W--> 306 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa Tyr Tyr Xaa
       307 1                   5                   10                  15
       309 <210> SEQ ID NO: 17
       310 <211> LENGTH: 19
       311 <212> TYPE: PRT
       312 <213> ORGANISM: Artificial Sequence
       314 <220> FEATURE:
       315 <223> OTHER INFORMATION: Synthetic peptide
       318 <221> NAME/KEY: VARIANT
       319 <222> LOCATION: (1)...(19)
       320 <223> OTHER INFORMATION: Xaa = Any Amino Acid
       322 <400> SEQUENCE: 17
  W--> 323 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa Tyr Tyr Xaa
       324 1                   5                   10                  15
  W--> 325 Tyr Tyr Xaa
       328 <210> SEQ ID NO: 18
       329 <211> LENGTH: 22
       330 <212> TYPE: PRT
       331 <213> ORGANISM: Artificial Sequence
       333 <220> FEATURE:
       334 <223> OTHER INFORMATION: Synthetic peptide
       337 <221> NAME/KEY: VARIANT
       338 <222> LOCATION: (1)...(22)
       339 <223> OTHER INFORMATION: Xaa = Any Amino Acid
       341 <400> SEQUENCE: 18
  W--> 342 Xaa Tyr Tyr Xaa Xaa Tyr Tyr Xaa Tyr Tyr Tyr Tyr Xaa Tyr Tyr Xaa
       343 1                   5                   10                  15
  W--> 344 Tyr Tyr Xaa Tyr Tyr Xaa
```

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY   DATE: 07/07/2000
PATENT APPLICATION: US/09/602,775   TIME: 17:12:12

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\07072000\I602775.raw**

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25